



August 28, 2017

Erin Mathews  
Josh Carlisle  
Extraction Oil & Gas  
370 17<sup>th</sup> St. Suite 5300  
Denver, CO 80202

**Re: Environmental Review and Site Inspection, Coyote Trails Pad, Weld County, CO**

## **1.0 INTRODUCTION**

Apex Companies, LLC (Apex) completed an environmental review and site inspection for the proposed Coyote Trails Pad, located in township 1 north, range 68 west, section 28, in Weld County, Colorado (Figure 1). The purpose of this review is to provide Extraction Oil and Gas with information on potential environmental constraints, to comply with the U.S. Endangered Species Act, Migratory Bird Treaty Act, The Bald and Golden Eagle Protection Act, Colorado Parks and Wildlife (CPW) guidelines, Colorado Oil and Gas Conservation Commission (COGCC) rules, and U.S. Clean Water Act Sections 401/404. The site inspection for the Coyote location was conducted on August 2, 2017 and included a desktop review, as well as a pedestrian survey on the subject property and surrounding areas accessible by landowner permission.

## **2.0 RESULTS**

### **Wetlands and Waters of the U.S.**

Apex conducted a desktop review with Google Earth and NAIP 2015 imagery and U.S. Fish and Wildlife Service National Wetlands Inventory Mapper, followed by the pedestrian and automobile survey, mentioned above. A potential wetland, approximately 0.6 acres, is within the proposed pad area (Figure 1). Additionally, a potential wetland is adjacent to the southern border of the disturbance area. If additional staging or construction will occur outside the mapped pad footprint, this potential wetland may be affected. **Please contact Apex if these potential wetlands cannot be avoided; delineations and reporting to USACE may be necessary.**

### **Raptors**

Prior to the site inspection, Apex conducted a desktop review using Colorado Parks and Wildlife Species Activity Mapping (SAM) data, together with a proprietary database of over 1,000 mapped raptor nests throughout the Denver-Julesburg Basin. There are no known eagle or other nests within ½ mile of the proposed project, nor is the proposed project site within any mapped eagle roosts or concentrations. There are trees suitable for nesting raptors within ½ mile of the proposed project; however, no nests were observed in those trees during the site inspection. **Please contact Apex if construction will begin between February 15 and July 31, to survey for new nesting activity.**



### **100-Year Floodplain**

The project is not within a Federal Emergency Management Agency (FEMA)-mapped 100-year floodplain.

### **Burrowing Owls**

No potential burrowing owl habitat will be affected by the proposed project. **Please contact Apex if construction will begin between March 15 and October 31 to survey for new nesting activity.**

### **Other Sensitive, Threatened, and Endangered Species**

Prior to the site inspection, Apex conducted a desktop review using CPW SAM data. There is no known sensitive, threatened, or endangered species activity or critical habitat within ½ mile of the proposed project. The pedestrian survey did not find any evidence to the contrary and these species do not pose any constraints on the proposed project.

### 3.0 Photos



Photo 1. Center of pad, looking east.



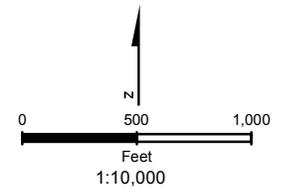
Photo 2. Center of pad, looking south.



### Coyote Trails Pad

#### Legend

- Pad Footprint
- Potential Wetland
- Nest Search
- Radius - Half Mile
- Stream
- Irrigation Ditch



Feature symbols not to scale

Inspector: JD  
 Inspection Date: 8/2/2017

#### Site Characteristics

**Legal Location:** SE1/4, Sec 28, T1N R68W  
**County:** Weld  
**Land Use:** Agriculture  
**Pre-Construction Vegetation Coverage:** NA  
**Pre-Construction Vegetation Cover:** Cropland  
**Topography:** 3-5% Slopes  
**Run-Off Risk:** Low  
**Total Disturbed Area:** NA  
**Soil Type:** Ulm clay loam  
**Receiving Waters:** Community Ditch, 190-ft SE

REVISED	BY	COMMENT
8/11/2017	JCD	Map Updates